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1 [An introduction to multilevel secure relational database management](#)

Walid Rjaibi

October 2004 CASCON '04: Proceedings of the 2004 conference of the Cen
Collaborative research

Publisher: IBM Press

Full text available:  [Pdf \(126.15 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 261, Citation

Multilevel Security (MLS) is a capability that allows information with diff
in an information system, with users having different security clearance
preventing users from accessing information ...

2 [Improved count suffix trees for natural language data](#)

 Guido Sautter, Cristina Abba, Clemens Böhm

September 2008 IDEAS '08: Proceedings of the 2008 international symposi
applications

Publisher: ACM

Full text available:  [Pdf \(145.28 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 7, Citation

With more and more natural language text stored in databases, handlin
becomes very important. Optimizing queries with predicates includes (s
estimating the selectivity of query terms based on small ...

Keywords: count suffix tree, pruning, query optimization, selectivity es

3 [Transactional publish/subscribe: the proactive multicast of database](#)

 Arvola Chan

June 1998 SIGMOD '98: Proceedings of the 1998 ACM SIGMOD internati
data

Publisher: ACM

Full text available:  [Pdf \(106.55 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 52, Citation

For many years, TIBCO (the Information Bus Company) has pioneered t
form of push technology — to build flexible, real-time loosely-coupled d
Publish/Subscribe is used by 300 of the ...

Keywords: event-driven, guaranteed delivery, multicast, publish.subscribe, based addressing, transactionally guaranteed delivery

Also published in:

June 1998 SIGMOD Record Volume 27 Issue 2

4 [Automatic extraction of facts from press releases to generate news stories](#)
 Peggy M. Andersen, Philip J. Hayes, Alison K. Huettner, Linda M. Schmandt-Weinstein

March 1992 Proceedings of the third conference on Applied natural language processing
 Publisher: Association for Computational Linguistics

Full text available:  [Publisher Site](#) ,  [Pdf \(771.05 KB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Citation (

While complete understanding of arbitrary input text remains in the future, construct natural language processing systems that provide a partial understanding. Moreover, such systems can provide ...

5 [Queue: Volume 6 Issue 3](#)

 May 2008 Queue

Publisher: ACM

Full text available:  [Digital Edition](#) ,  [Pdf \(5.56 MB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 110, Downloads (12 Months): 432, Citation (

6 [A distributed database architecture for global roaming in next-generation mobile networks](#)

Zuji Mao, Christos Douligeris

February 2004 IEEE/ ACM Transactions on Networking (TON) . Volume 12 Issue 1

Publisher: IEEE Press

Full text available:  [Pdf \(427.81 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 159, Citation (

The next-generation mobile network will support terminal mobility, personal portability, making global roaming seamless. A location-independent peer-to-peer (PTN) scheme is conducive to implementing ...

Keywords: database architecture, location management, location tracking

7 [A hierarchical access control model for video database systems](#)

 Elisa Bertino, Jianping Fan, Elena Ferrari, Mohand-Said Hacid, Ahmed K. El-Sherif

April 2003 Transactions on Information Systems (TOIS) . Volume 21 Issue 1

Publisher: ACM

Full text available:  [Pdf \(6.27 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 137, Citation (

Content-based video database access control is becoming very important. The progresses of the following related research issues: (a) efficient video analysis; (b) visual concept representation; (c) effective video ...

Keywords: Video database models, access control, indexing schemes

8 [Affinity-based management of main memory database clusters](#)

Minwen Ji

 November 2002 *Transactions on Internet Technology (TOIT)* . Volume 2

Publisher: ACM

Full text available:  Pdf (553.96 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 76, Citation

We study management strategies for main memory database clusters to Internet applications and back-end databases as content caches. The data is distributed across individual cache databases and to route queries ...

Keywords: Main memory database, clustering, database administration, organization, query affinity, scalability

9 [A formal framework for reflective database access control policies](#)

Lars E. Olson, Carl A. Gunter, P. Madhusudan

 October 2008 *CCS '08: Proceedings of the 15th ACM conference on Computer and communications security*

Publisher: ACM

Full text available:  Pdf (380.00 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 90, Citation

Reflective Database Access Control (RDBAC) is a model in which a data access control policy is applied to a database query itself, rather than as a static privilege contained in an application. It provides a formal and declarative management of database access controls ...

Keywords: fine-grained access control, formal safety verification, reflective access control, transaction datalog

10 [A framework for scheduling parallel dbms user-defined programs on a computer](#)

Michael A. Kochte, Ramesh Natarajan

 May 2008 *CF '08: Proceedings of the 2008 conference on Computing frontiers*

Publisher: ACM

Full text available:  Pdf (240.44 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 49, Citation

We describe a software framework for deploying, scheduling and executing parallel programs on an attached high-performance computer (HPC) platform. The framework is designed to support many DBMS workloads in the following two aspects. ...

Keywords: database accelerators, high-performance computing, parallel computing

11 ["Yes, but does it scale?": practical considerations for database-driven systems](#)

John Russell

 October 2001 *SIGDOC '01: Proceedings of the 19th annual international conference on Documentation*

Additional Information: [full citation](#), [abstract](#)

Publisher: ACM

Full text available:  Pdf (231.31 KB)

Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 75, Citation (

This paper explores the process of designing and implementing a database documentation, and putting it live on the web for customers to use. Using practical considerations for balancing performance, ...

Keywords: Oracle, automation, categorization, database, performance services

12 Webformulate: a web-based visual continual query system

Jennifer Leopold, Meg Heimovics, Tyler Palmer

 May 2002 WWW '02: Proceedings of the 11th international conference on Publisher: ACM

Full text available:  Pdf (423.60 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 31, Citation (

Today there is a plethora of data accessible via the Internet. The Web is searching for, accessing, and sharing information. However, a considerable amount of data still goes unnoticed and unutilized, ...

Keywords: continual query, visual programming language, visual query

13 ACM SIGAda Ada Letters: Volume XXV Issue 3

 September 2005 SIGAda Ada Letters

Publisher: ACM

Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation (

14 Computing curricula 2001

 CORPORATE The Joint Task Force on Computing Curricula

 September 2001 Journal on Educational Resources in Computing (JER) Publisher: ACM

Full text available:  Html (2.78 KB),  Pdf (613.63 KB) Additional Information: full citation,

Bibliometrics: Downloads (6 Weeks): 112, Downloads (12 Months): 1256, Citation (

15 Tools and approaches for developing data-intensive Web applications

 Piero Fraternali

 September 1999 Computing Surveys (CSUR) , Volume 31 Issue 3

Publisher: ACM

Full text available:  Pdf (524.80 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 572, Citation (

The exponential growth and capillary diffusion of the Web are nurturing a new paradigm characterized by a direct business-to-customer relationship. The development of hybrid between traditional IS development ...

Keywords: HTML, Intranet, WWW, application, development

16 Cache tables: paving the way for an adaptive database cache

Mehmet Altinel, Christof Bornhövd, Salles Krishnamurthy, C. Mohan, Ham September 2003 VLDB '2003: Proceedings of the 29th international cc bases - Volume 29 , Volume 29

Publisher: VLDB Endowment

Full text available:  Pdf (193.63 KB)

Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 44, Citation (

We introduce a new database object called Cache Table that enables partial content of a remote database table. The content of a cache table populated in advance at setup time, or determined ...

17 Tolerating byzantine faults in transaction processing systems using c

 Ben Vandiver, Hari Balakrishnan, Barbara Liskov, Sam Madden October 2007 SOSP '07: Proceedings of twenty-first ACM SIGOPS symposium principles

Publisher: ACM

Full text available:  Pdf (390.75 KB)

Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 121, Citation

This paper describes the design, implementation, and evaluation of arep Byzantine faults in transaction processing database systems. The scherr and updates on multiple replicas which are unmodified, ...

Keywords: byzantine fault tolerance, databases, state machine replica

Also published in:

October 2007 SIGOPS Operating Systems Review Volume 41 Issue 6

18 Model-driven development of Web applications: the AutoWeb system

 Piero Fraternali, Paolo Paolini October 2000 Transactions on Information Systems (TOIS) , Volume 18 I

Publisher: ACM

Full text available:  Pdf (6.94 MB)

Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 442, Citation

This paper describes a methodology for the development of WWW applic specifically tailored for the methodology. The methodology and the deve upon models and techniques already used in the hypermedia, ...

Keywords: HTML, WWW, application, development, intranet, modeling

19 Communications of the ACM: Volume 51 Issue 12

 December 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (6.91 MB)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 9162, Downloads (12 Months): 9162, Citation

20 **Exporting and interactively querying Web service-accessed sources:**

 Michalis Petropoulos, Alin Deutsch, Yannis Papakonstantinou, Yannis Katsis

November 2007 **Transactions on Database Systems (TODS)** . Volume 32 Issue 4

Publisher: ACM

Full text available:  Pdf (1.80 MB)

Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 188, Citation

The CLIDE System assists the owners of sources that participate in Web systems to publish a restricted set of parameterized queries over the schema as WSDL services. The sources may be relational ...

Keywords: Middleware, Web services, limited access patterns, query re

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